

Appendix table 2-55.  
**Federal funds for industrial R&D performance, by industry and size of company: 1985-97**  
(Millions of current dollars)

	SIC code	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
		Industry												
Total .....		27,196	27,891	30,752	30,343	28,554	28,125	26,372	24,722	22,809	22,463	23,451	23,553	23,928
Manufacturing .....		24,883	25,185	28,052	27,088	24,826	23,683	20,867	19,152	16,669	17,373	18,831	20,020	19,823
Food, kindred, and tobacco products .....	20,21	D	D	2	D	D	D	0	0	0	0	0	0	0
Textiles and apparel .....	22,23	D	D	D	D	D	D	S	D	D	D	D	D	D
Lumber, wood products, and furniture .....	24,25	0	0	0	D	0	0	D	D	D	D	D	D	0
Paper and allied products .....	26	D	D	D	D	0	0	D	D	D	D	D	D	D
Chemicals and allied products .....	28	230	179	190	238	126	123	209	S	D	D	210 S	D	D
Industrial chemicals .....	281-82,286	217	178	185	232	111	109	165	S	D	D	D	D	D
Drugs and medicines .....	283	D	1	D	6	D	D	D	S	15	8	14	3	3 S
Other chemicals .....	284-85,287-89	D	0	D	0	D	D	D	S	D	D	D	0	D
Petroleum refining and extraction .....	13,29	D	D	14	22	S	S	11	9	14	10	6	24	D
Rubber products .....	30	D	D	D	D	D	D	D	D	D	D	D	D	D
Stone, clay, and glass products .....	32	D	9	10	D	D	D	D	D	D	9	38	6	5
Primary metals .....	33	D	D	19	17	22	D	8	S	23	17	13	D	221
Ferrous metals and products .....	331-32,3398-99	D	D	D	1	D	D	1	D	17	D	D	D	D
Nonferrous metals and products .....	333-36	9	8	D	16	D	D	7	D	6	D	D	D	D
Fabricated metal products .....	34	49	95	150	163	178	203	226	294	222	243	86	D	129
Machinery .....	35	1,495	D	D	D	D	871	1,055	1,035	86	99	D	117	106
Office, computing, and accounting machines .....	357	D	D	D	D	D	D	D	D	33	28	D	D	53
Other machinery, except electrical .....	351-56,358-59	D	75	44	101	112	D	D	D	53	71	64	D	53
Electrical equipment .....	36	5,161	5,213	5,399	4,153	3,743	4,133	4,550	3,844	1,667	1,801	1,690	2,143	1,839
Radio and TV receiving equipment .....	365	D	0	0	0	0	0	0	D	D	D	D	D	D
Communication equipment .....	366	4,223	4,552	4,729	3,630	2,911	2,344	D	D	D	D	D	D	D
Electronic components .....	367	559	D	656	449	369	418	D	247	206	162	D	D	D
Other electrical equipment .....	361-64,369	D	D	14	74	463	1,371	D	D	D	D	D	D	477
Transportation equipment .....	36	D	17,708	20,784	20,865	19,262	17,097	12,570	11,202	10,617	10,392	13,130	12,202	12,251
Motor vehicles and motor vehicles equipment .....	371	820	D	D	D	D	D	D	D	D	D	D	D	D
Other transportation equipment .....	373-75,379	D	D	D	D	D	D	D	D	D	D	D	D	D
Aircraft and missiles .....	372-376	16,582	14,984	18,519	18,402	16,828	15,248	11,096	S	9,372	8,794	11,462	10,515	10,619
Professional and scientific instruments .....	38	391	351	272	191	263	737	1,865	2,221	2,577	3,384	3,460 S	3,942	4,499
Scientific and mechanical measuring instruments .....	381-82	D	D	D	S	S	S	D	2,143	2,484	3,266	3,358 S	D	4,416
Optical, surgical, photographic, and other instruments .....	384-87	D	D	D	95	101	87	D	78	92	118	102	D	84
Other manufacturing industries .....	27,31,39	D	2	D	D	D	D	D	61	D	D	D	D	156
Nonmanufacturing industries .....	2,313	2,706	2,700	3,256	3,729	4,442	5,505	5,570	6,140	5,090	4,620	3,633	4,150	

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 2-55.  
**Federal funds for industrial R&D performance, by industry and size of company: 1985-97**  
 (Millions of current dollars)

	Size of company										1997
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
Fewer than 500 employees .....	739	868	963	816	901	895	1,887	2,025	1,614	1,164	2,301
500 to 999 .....	117	137	115	131	117	S	181	151	182	182	219
1,000 to 4,999 .....	991	1,229	981	1,093	958	881	1,050	S	1,115	1,083	798
5,000 to 9,999 .....	672	796	748	864	740	257	816	763	764	825	512
10,000 to 24,999 .....	2,743	2,004	2,362	1,705	1,129	1,526	3,373	3,416	2,816	2,348	468
25,000 or more .....	21,934	23,213	25,583	25,734	24,709	24,436	19,065	17,346	16,319	16,862	18,261
											19,122
											19,277

D = data have been withheld to avoid disclosing operations of individual companies; S = imputation of more than 50 percent (for years prior to 1993, data have been withheld); SIC = Standard Industrial Classification

NOTE: As a result of a new sample to better reflect R&D performance among firms in the nonmanufacturing industries and small firms in all industries, data for 1991 and later years are not directly comparable to data for 1990 and earlier years.

SOURCE: National Science Foundation, Division of Science Resources Studies (NSF/SRS), Research and Development in Industry: 1997 (Arlington, VA: 1999).

See figure 2-8 in Volume I.

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